

FIFTY - FOURTH
ANNUAL REPORT

OF THE
DIRECTORS

OF THE
DUNDEE ROYAL ASYLUM

FOR

Lunatics,

SUBMITTED, IN TERMS OF THEIR CHARTER, TO A GENERAL
MEETING OF THE DIRECTORS, 15TH JUNE, 1874:

WITH THE
REPORTS OF THE MEDICAL SUPERINTENDENT
AND
TREASURER OF THE INSTITUTION.

DUNDEE:

PRINTED BY WINTER, DUNCAN, & Co., CASTLE STREET.

1874.



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THE FOLLOWING ARE THE
DIRECTORS AND OFFICE-BEARERS

FOR THE CURRENT YEAR,
FROM JUNE, 1874, TO JUNE, 1875.

Chairman of the Directors.

JAMES NEISH, Esq. of Laws.

EXTRAORDINARY DIRECTORS.

Ex Officiis.

1. The Lord Lieutenant of the County of Forfar.
2. J. W. BARCLAY, Esq., M.P. for the County, Aberdeen.
3. F. L. MAITLAND HERIOT, Esq. of Ramornie, Advocate, Sheriff of the County.
4. JAMES YEAMAN, Esq., M.P. for the Burgh of Dundee.
5. The Moderator of the Synod of Angus and Mearns.

Directors for Life.

6. Sir JOHN OGILVY, Bart. of Inverquhar, Baldovan House.
7. WILLIAM THOMS, Esq., Magdalen Yard Road, Dundee.
8. GEORGE DUNCAN, Esq., The Vine, Magdalen Yard, Dundee.
9. The Right Honourable the Earl of STRATHMORE, Glamis Castle.

ORDINARY DIRECTORS.

Ex Officiis.

10. Provost COX, Dundee.
11. Bailie MONCUR, Dundee.
12. Dean of Guild JAMES LUKE.

1. *Elected by Nine Incorporated Trades.*

13. JAMES SHAW, Esq., 12 Constitution Terrace.
14. GEORGE T. GRAHAM, Esq., Cowgate.
15. JOHN BLACK, Esq., Nethergate.

2. *By the Three Trades.*

16. DAVID HEAN, Esq., 42 Magdalen Yard Road.

3. *By the Guildry.*

17. JOHN M'LEAN, Esq., 38 High Street.
18. PETER KERR, Esq., Bonnybank House.
19. CHARLES SCOTT, Esq., Hilltown.
20. GEORGE WHITTON, Esq., 32 King Street, for the Maltmen Fraternity.

4. *By the Seamen Fraternity.*

21. GEORGE THOMS, Esq., Broughty Ferry.

5. *By the Masters of the Masonic Lodges.*

22. ALEXANDER HENRY, Esq.

6. *By the Kirk Session.*

23. The Rev. P. GRANT, D.D., of St John's, Perth Road.
24. The Rev. JOHN HART, of St David's.

7. *By the Presbytery.*

25. The Rev. JAMES WILSON, of Broughty Ferry.
26. The Rev. JAMES MACKAY, of St Clement's, Dundee.

8. *By the County.*

27. JOHN GUTHRIE, of Guthrie, Esq.
28. WILLIAM COBB, Esq., Mains of Fintry.
29. Colonel R. H. A. OGILVY, Yr. of Baldovan.
30. JAMES NEISH, of Laws, Esq.

9. *By the Governors of the Royal Infirmary.*

31. The Rev. J. C. BAXTER, 9 Springfield.
32. JAMES CUNNINGHAM, Esq., Royal Exchange Place.
33. JAMES SMALL, Esq., Ward Road.
34. JAMES CHRISTIE, Esq., M.D., Tay Square.
35. MATTHEW NIMMO, Esq., 130 Nethergate.
36. JOHN ADAM, Esq., Magdalen Place.
37. The Very Rev. Dean NICOLSON.
38. G. H. HILL, Esq., Nelson Street, Dundee.

Office-Bearers.

COMMITTEE OF MANAGEMENT.

1. JAMES NEISH, Esq., Chairman.
2. WILLIAM THOMS, Esq.
3. JOHN M'LEAN, Esq.
4. DAVID HEAN, Esq.
5. The Rev. J. C. BAXTER.
6. JAMES CUNNINGHAM, Esq.

HOUSE VISITORS.

1. JAMES CHRISTIE, Esq., M.D., to visit during July and October, 1874, and January and April, 1875.
2. JOHN ADAM, Esq., to visit during August and November, 1874, and February and May, 1875.
3. The Rev. JAMES MACKAY, to visit during September and December, 1874, and March and June, 1875.

OFFICERS OF THE ASYLUM.

RESIDENT.

MEDICAL SUPERINTENDENT.

JAMES RORIE, M.D.

MATRON.

MISS BAYNE.

NON-RESIDENT.

CONSULTING PHYSICIAN.

ROBERT COCKS, M.D., 25 TAY STREET.

TREASURER.

THOMAS NICHOLSON, 32 CASTLE STREET.

SECRETARY.

ROBERT C. WALKER, SOLICITOR, 12 EUCLID STREET.

CHAPLAIN.

The Rev. ALEX. F. REID, 9 UNION TERRACE, CONSTITUTION ROAD.

REPORT BY THE DIRECTORS
OF THE
DUNDEE ROYAL LUNATIC ASYLUM
TO THE
ANNUAL GENERAL COURT,
JUNE, 1874.

IN laying the fifty-fourth Annual Report of this Institution before the General Court, the Directors have the satisfaction of stating that the Asylum continues in a state of the highest efficiency, both in regard to the internal management and the successful treatment of the patients.

During the past year the Treasurer has received payment of the sum of £31, being the balance of a Legacy left to the Asylum by the late Mrs Morrison of Naughton, and also of a Legacy of £7 from the late Mrs Adams.

In terms of a remit made to the Committee of Management, they have visited no fewer than twelve sites which were considered suitable for the erection of a new Asylum, and, in regard to several, had entered into communication with the Proprietors or their Agents. They have also repeatedly advertised for sites in the local newspapers. After a great deal of negotiation, they lately succeeded in getting an offer of a property which was considered in every respect suitable; but, before a Meeting of the Directors could be held to confirm the recommendation of the Committee that the offer should be accepted, the proprietor thought proper to withdraw his offer, having disposed of the property at a higher price to another party. The

Directors recommend that the Annual Court should continue the remit to the Committee of Management to look out for a suitable site.

There is one circumstance to reconcile the Directors to this delay, for the ground belonging to the Asylum has, in the interval, largely increased in value; so that, when a property which the Directors deem fitted for the new Asylum is met with, the means of defraying the cost of the new Institution will, it is hoped, be sufficient for that object without incurring permanent debt to any large amount.

The Directors have feued about 45 poles of the field on the west side of the Forfar Road for the erection of a Church. From this being detached from the main portion of the Asylum Ground, the erection will not interfere in any way with the quietness or privacy of the Institution.

The Directors may mention that they have had several other applications for feus; but they did not consider it advisable to entertain these, until they had made arrangements for the removal of the Asylum to another locality. As already mentioned, however, the Asylum ground is steadily increasing in value.

The Directors are, along with the Directors of the Infirmary, at present engaged in obtaining a new Royal Charter to supersede the Joint Charter in favour of the two Institutions presently in operation. The necessity for this will appear when it is remembered that the former one was obtained about fifty-five years ago, and that the powers contained in it are not deemed sufficient to enable the Directors to acquire ground for the erection of a new Asylum, and to dispose of the very valuable property on which the Asylum at present is built.

It will be observed from the Medical Superintendent's Report that, on 16th June last, there were 197 patients in the Asylum, 101 males and 96 females, while at present there are 184 patients, 65 having been admitted during the year, 30

having recovered, 10 having died, 28 having been removed to the Lunatic Wards of Poorhouses, 6 to other Asylums, and 4 to the care of friends.

There is still a deficiency of Income this year of £191 7s 3d. This is not so great as on the preceding year, but it is still apparent that the Rates of Board charged for Pauper Lunatics are too low. It will be for the Directors to consider whether some addition should not be made to these Rates, so as to meet the deficiency referred to.

Owing to the greatly-increased cost of living, the Directors have deemed it right to increase the salary of the Medical Superintendent from £400 to £500 per annum. The Matron's salary at the same time was raised from £70 to £100. They have to express their satisfaction with the manner in which Dr. Rorie and Miss Bayne, as well as the other officials of the Institution, perform their respective duties.

ABSTRACT

OF THE

INCOME AND EXPENDITURE

OF THE

DUNDEE ROYAL LUNATIC ASYLUM

For the Year ending 31st March, 1874.

INCOME.

Board of Patients,	£5842	6	11
Patients' Labour,	16	18	7
Total of Income,	£5859	5	6

EXPENDITURE.

SALARIES—

Superintendent,	£425	0	0
Matron,	77	10	0
Physician,	52	10	0
Chaplain,	50	0	0
Secretary,	50	0	0
Treasurer,	60	0	0

£715 0 0

Less Fees from Patients, 69 6 0

£645 14 0

Interest,	£35	9	9
Servants' Wages,	766	5	0
Soap,	57	2	11
Taxes,	171	7	1
Advertising, &c.,	60	11	5
Coals and Firewood,	455	11	8
Fire Insurances,	18	7	3
Feu-duty,	146	11	10
Gas,	82	8	6

Amount carried forward, £645 14 0

Amount brought forward, .					£645 14 0
Incidents,	£105	19	6		
Patients' Extras,	27	12	0		
Straw,	21	9	5		
Butcher Meat,	889	0	0		
Butter,	166	18	8		
Beer and Ale,	94	0	6		
Bread,	623	15	10		
Barley and Pease,	43	17	0		
Cheese,	26	2	4		
Eggs, &c.,	18	13	10		
Fish,	9	12	6		
Groceries,	42	10	11		
Milk,	354	9	0		
Meal,	238	16	0		
Medicines,	32	2	0		
Potatoes, Turnips, &c.	34	19	6		
Sugar,	97	14	0		
Tea,	106	12	0		
Water,	31	19	4		
	<hr/>				4759 19 9
Furniture,	£60	16	8		
Grounds,	23	7	10		
Gasfitting,	0	19	10		
Mason Work,	27	0	9		
Plumber Work,	58	18	0		
Painter Work,	92	18	2		
Plaster Work,	2	4	11		
Slater Work,	2	12	0		
Smith Work,	23	13	0		
Wright Work,	49	7	0		
Ironmongery,	15	17	6		
Law Expenses,	21	12	6		
Store,	265	10	10		
	<hr/>				644 19 0
Total of Expenditure,	£6050	12	9		
Deduct Deficiency of Income carried to Debit of Capital,	191	7	3		
Leaves equal to Income,	£5859	5	6		

THOS. NICHOLSON, *Treasurer.*
WM. MYLES, *Auditor.*

DUNDEE, 31st *March*, 1874.

A B S T R A C T V I E W

OF THE

A F F A I R S

OF THE

DUNDEE ROYAL LUNATIC ASYLUM

From 1820 to 1874.

Amount of Income from 1821 to 1874, . . .	£214,990	7	4½
Amount of Expenditure from 1820 to 1874, . . .	196,764	3	7
	<hr/>		
Excess of Income,	£18,226	3	9½
Add Donations and Legacies from 1820 to 1874, . . .	16,512	4	5½
	<hr/>		
	£34,738	8	3
Add—Due by Asylum 31st March, 1874, £1221 10 6			
Deduct—Sum formerly written off for			
Depreciation of Buildings, . . . 455 18 0			
	<hr/>		
	£765	12	6
And proportion of Expenditure, 1871,			
1872, and 1873, treated as ame-			
liorations, 600 0 0			
	<hr/>		
	1365	12	6
Total,	£36,104	0	9
Equal to Amount appearing at Debit of Property on			
General Balance Sheet,	36,104	0	9
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THOS. NICHOLSON, *Treasurer.*WM. MYLES, *Auditor.*DUNDEE, 31st *March*, 1874.

PROGRESSIVE VIEW OF THE AFFAIRS OF THE DUNDEE ROYAL LUNATIC ASYLUM.

[illegible]

DUNDEE ROYAL LUNATIC ASYLUM.

BALANCE-SHEET ON 31ST MARCH, 1874.

Dr.		Cr.	
To PATIENTS:—			
Balance of Patients' Ledger, ...	£20 7 9		
„ FURNISHINGS:—			£841 19 3
For Private Patients, ...	27 4 3		
„ PROPERTY:—			2,000 0 0
Amount standing against in Ledger, ...	36,104 0 9		
„ INVESTED IN LOANS:—			
Dundee Harbour Trustees, £1,500 0 0		£36,104 0 9	
Dundee Police Commissioners, 500 0 0			
„ STOCK:—	2,000 0 0		
Of Clothing, Fuel, and Provisions, ...	538 8 2		
„ SUPERINTENDENT:—			
Due by him, ...	13 0 2		34,882 10 3
„ MATRON:—			
Due by her, ...	5 9 0		984 0 7
	£38,708 10 1		£38,708 10 1
		By MORTIFICATIONS:—	
		Sum at Credit, ...	...
		„ LOAN:—	...
		From Mr Bell's Trustees, ...	...
		„ CAPITAL:—	...
		Value of Property as per	
		Ledger, ...	£36,104 0 9
		DEDUCT:—	
		Excess of Debts due by	
		the Asylum over	
		those due to it, 1,221 10 6	
		„ UNION BANK OF SCOTLAND:—	
		Due to it, ...	...

DUNDEE, 31st March, 1874.

THOS. NICHOLSON, *Treasurer.*

WM. MYLES, *Auditor.*

Comparative Statement of Income and

For the Years ending on 31st March,

[illegible]

Increase of Income this year,	.	.	£455 13 9
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Decrease of Income this year,	.	.	1 11 2
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£454 2 7

Increase of Expenditure this year,

74 8 0

£379 14 7

Expenditure of the Dundee Royal Lunatic Asylum,

1873, and 31st March, 1874.

EXPENDITURE.

	31st March, 1873.	Increase.	Decrease.	31st March, 1874.
Provisions, . . .	£2472 14 1	£274 8 0	...	£2747 2 1
Repairs and Im- provements, . }	524 3 10	...	£250 12 8	273 11 2
Salaries, . . .	615 6 0	30 8 0	...	645 14 0
Servants' Wages, .	782 17 0	...	16 12 0	766 5 0
Feu-duty, . . .	114 16 0	31 15 10	...	146 11 10
Furniture, . . .	178 13 9	...	117 17 1	60 16 8
Coals, Gas, and Water, . . }	529 17 7	40 1 11	...	569 19 6
Grounds, . . .	43 12 9	...	20 4 11	23 7 10
Interest, . . .	34 10 5	0 19 4	...	35 9 9
Insurance, . . .	18 7 3	...	...	18 7 3
Medicines, . . .	62 17 4	...	30 15 4	32 2 0
Patients' Extras, .	24 15 0	2 17 0	...	27 12 0
Store, . . .	191 4 2	74 6 8	...	265 10 10
Soap, . . .	35 16 6	21 6 5	...	57 2 11
Straw, . . .	26 10 6	...	5 1 1	21 9 5
Advertising, &c., .	54 10 8	6 0 9	...	60 11 5
Taxes, . . .	169 4 4	2 2 9	...	171 7 1
Incidents, . . .	91 7 7	14 11 11	...	105 19 6
Law Expenses, .	5 0 0	16 12 6	...	21 12 6
	£5976 4 9	£515 11 1	£441 3 1	£6050 12 9

Expenditure this year, . . .	£6050 12 9
Expenditure last year, . . .	5976 4 9

Increase, . . .	£74 8 0
Increase this year, as above, . . .	£515 11 1
Decrease this year, as above, . . .	441 3 1
	<u>£74 8 0</u>

THE following twenty-six parishes, the parishioners of which have contributed £20 or more to the funds of the Asylum, are entitled to have their pauper patients admitted into the lowest class, and are accordingly charged the lowest rate of board ; but no other parish, since 1823, can claim the privilege. The parish of St. Andrews was privileged in 1837, and the parish of Kingsbarns in 1852, to have each one patient only in the Asylum at the lowest rate of board.

AIRLIE.	KETTINS.
ALYTH.	KINGSBARNS, one patient only.
ARBROATH.	LIFF and BENVIE.
AUCHTERHOUSE.	LONGFORGAN.
BRECHIN.	MAINS and STRATHMARTINE.
DUNDEE.	MONIFIETH.
DUNNICHEN.	MONIKIE.
FORFAR.	MURROES.
GLAMIS.	NEWTYLE.
GUTHRIE.	RESCOBIE.
INVERARITY.	ST. ANDREWS, one patient only.
KIRRIEMUIR.	TANNADICE.
KINNETTLES.	TEALING.

AT THE
ANNUAL COURT OF DIRECTORS
OF THE
DUNDEE ROYAL LUNATIC ASYLUM,
HELD IN THE TOWN HALL OF DUNDEE,
ON MONDAY, 15TH JUNE, 1874;
JAMES NEISH, ESQ. OF LAWS, IN THE CHAIR ;

The Secretary read the Annual Report of the Directors.

The Chairman moved that the Report now read be adopted as the 54th Report of the Institution, which was agreed to.

It was further resolved that the Report be circulated along with the Report of the Medical Superintendent and the Abstract of the Income and Expenditure for the past year.

MEDICAL SUPERINTENDENT'S REPORT.

15TH JUNE, 1874.

THE changes which have taken place in the population of the Asylum during the past twelve months have been as follows: 65 patients have been admitted, of whom 29 were males and 36 females,—17 of these were private patients, namely, 9 males and 8 females, and 48 paupers, received from the following Parishes, viz.: 31 from Dundee, 16 from Liff and Benvie, and 1 from Mains and Strathmartine. On the 16th June, 1873, the date of last Annual Court, the number of patients resident in the Asylum was 101 males and 96 females. The total number under treatment has therefore been 262.

Of these, 30 have been discharged recovered, namely, 12 males and 18 females; 28 have been transferred to the Lunatic Wards of Dundee and of Liff and Benvie Poorhouses, 6 to other Asylums, and 4 removed or discharged not recovered. 10 patients have died, of whom 7 were males and 3 females.

The percentage of recoveries, calculated on the number admitted, is therefore 46·15; while that of the deaths, calculated on the whole number under treatment, is 3·81. The average age at death was 54·9 years.

22 of the patients admitted were found to be suffering from mania, 15 from monomania, 13 from dementia, 9 from melancholia, 3 from puerperal mania, and 3 from general paralysis.

As regards the physical condition of these patients, 40 only were in good health, while 19 were more or less frail, and 6 were in advanced stages of paralysis. In two instances, the

patients had reached the ages of 71 and 76 years, and both are still resident in the Asylum.

The duration of illness previous to the admission of the patients has, as usual, varied much. In one case, continued mental derangement had been present for five years, and in another for two years and a half; but it is necessary to remark that the appended table on this subject cannot be regarded as at all reliable, or as affording data of the slightest scientific value. In many cases, the only information obtainable is that afforded by the admission schedule, filled up by the Inspectors of Poor, and the terms, "one day," "a few days," &c., do not represent the actual duration of illness, but merely the length of time the patients have been under their notice. The same observation applies to the table giving the assigned causes of illness.

Of the patients discharged recovered, 6 had been resident in the Asylum for periods varying from six weeks to three months; 9, from three to six months; 3, from six to nine months; 5, from nine months to one year; 6, from one to two years; and 1, from two to three years.

The obituary register contains only 10 entries. In five instances death resulted from general paralysis; in three, from paralysis; in one, from bronchitis; and in one from senile decay, at the age of 72 years; all diseases but little amenable to treatment. With one exception they were all admitted since May, 1871, confirming what has been so often observed in this Institution, that the great proportion of deaths occurs in those patients recently admitted, and depends to a great extent on the exhausted condition in which they are brought for treatment. Of the above cases only one was in good bodily health on admission. In three instances their physical condition was then recorded as frail, and in five as frail and paralytic.

Considering the nature of the present population, and the unfavourable character of the patients for whose treatment application has during the last year been made, the large number of patients discharged recovered, and the exceedingly small mortality, must be regarded as particularly gratifying.

Of the patients who have left the Asylum not recovered, 28 were transferred to the Lunatic Wards of Poorhouses. As ten years have nearly elapsed since this means of disposing of the insane came into operation in this neighbourhood, a suitable opportunity is afforded of examining how far the expectations formed of this system have been realised. These Wards were opened in the belief that many patients were in this Asylum, and in that of Montrose, of so harmless and incurable a character, that they could be maintained at less expense than was incurred in keeping them in Asylums; and so advantage was taken of the provision made by the Lunacy Act of 1862 for the reception of Pauper Lunatics into Lunatic Wards of Poorhouses who are not dangerous, and do not require curative treatment; and the mode of transfer selected was that of obtaining the sanction of the Board of Lunacy, granted on the strength of a Medical Certificate given by the Medical Officer of the Parish. At first difficulties were experienced in deciding on the suitable patients in consequence of the ambiguous nature of the statutory terms: for while, on the one hand, it was no easy matter to say when a lunatic sent to an Asylum, and thus removed from the possibility of doing harm, ceases to be dangerous; on the other, it was scarcely to be expected that the Parochial Medical Officer, at a single visit, could declare that the patients had or had not ceased to be capable of deriving benefit from Asylum treatment. These difficulties were however overcome, but in a manner, it is to be feared, scarcely in accordance with the spirit of the Lunacy Act; for when it was purposed to remove patients to these Wards, the plan hitherto adopted has been for the Inspector of Poor, accompanied by the Governor of the Poorhouse, to visit and examine all the patients belonging to their Parish, and to select those considered to be manageable. The Medical Officer of the Parish was then sent to re-examine and certify those selected, and the necessary sanction of the Board of Lunacy was then obtained. It will thus be seen that the selection of the patients has virtually rested with the Inspector of Poor and Governor of the Poorhouse; and the result, it need scarcely be said, has been

that, instead of the harmless and those not requiring curative treatment, the class of patients secured for these Wards has consisted of the useful, manageable, cleanly, and orderly, and in many instances of convalescent cases, the burden of whose treatment during the acute and dangerous phase of their illness had been borne by the Asylum; while the fatuous and paralytic patients, for whom little can be done in the way of curative treatment, have been systematically rejected, in consequence of the expense and trouble that would have been incurred in attending to their necessary wants. The patients removed have therefore been in a pre-eminently favourable condition; and it now remains to be considered whether the economy so much expected has been realised, and whether the patients themselves have benefited by the change or the reverse.

For many years statements have been made by the Parochial authorities, from time to time, which appeared to exhibit an important saving in the maintenance of Pauper Lunatics in Poorhouses as compared with Asylums: such as, that while 9s 6d per week was charged by the Dundee Asylum, the cost of the patients in the Poorhouse Wards was 5s 6d. But a very superficial examination only was required to discover the source of fallacy; for while the 9s 6d charged by the Asylum covered all expenses, the Parochial rates were arrived at by excluding salaries of officials, attendants, &c., and by deducting a certain sum as representing the value of work done by the patients. More correct information has been recently published as to the actual expense incurred in keeping Pauper Lunatics in Poorhouses, and it will be seen that it must be regarded as extremely doubtful whether any material saving has been effected at all, especially when the different character of the patients in Asylums and those in Poorhouses is borne in mind. Thus, at a Meeting of the Committee of Management of the Liff and Benvie Parochial Board, held on the 26th May of this year, the Chairman reports, *inter alia*, as follows: "About a week
"or ten days ago there was a communication from the City
"Parish of Edinburgh, requesting them to go very carefully
"into the cost of Lunatics kept in Poorhouses, with the view

“of bringing the matter again before the Exchequer. The
 “Inspectors, at the request of the Sub-Committees, did so, and
 “it was found—that the cost of food and clothing in Dundee
 “was about 5s 4d, and in Liff and Benvie, 5s 5d; while the
 “whole cost, including management, &c., was 8s 4d in Dundee,
 “and 8s 6d in Liff and Benvie,” or 6d per week more than
 was charged by the Asylum when the Lunatic Wards were
 first opened.

Nor will the result to the patients be found more satisfactory. In estimating the effects of the treatment of the insane, the most reliable test which can be applied is a consideration of the rate of mortality and of the causes of death. Valuable information on this subject is supplied in the Annual Reports of Her Majesty's Commissioners in Lunacy, and these returns show that from the 30th December, 1864, to the 30th December, 1872, 68 patients were admitted into the Lunatic Wards of the Liff and Benvie Poorhouse, and 150 into those of Dundee; and that of the former 19, and of the latter 40 patients have died, or 27 per cent. of the whole number; while the corresponding calculation for the Asylum gives 15·5, or, if the patients admitted in a moribund or confirmed paralytic condition be excluded, only 11·88 per cent. It is difficult to understand why so great a difference in the rates of mortality should exist, but in many instances it would appear as if the mere transference of the patients from the one Institution to the other was sufficient to cause death. This seems to have been particularly the case in the male patients first transferred to the Liff and Benvie Poorhouse. 6 were removed in 1864, 8 in 1865, 2 in 1866, and 1 in 1867, 16 of whom were patients who had while in the Dundee Asylum for many years enjoyed good and in some instances robust health, yet of these 1 died in 1865, 2 in 1866, and 7 in 1867; 10 out of the 17, or nearly 59 per cent. of the whole, within a period of three years. This mortality was made the subject of a special investigation by the Board of Lunacy, but no adequate causes were elicited. It is worthy of remark, however, that a large proportion of the deaths in Poorhouses have arisen from phthisis, pneumonia, bronchitis,

diarrhœa, dysentery ; diseases of comparatively rare occurrence in this Asylum, and generally considered to be the result of exhaustion, undue exposure to cold, and insufficient nourishment. 17 of the patients sent to the Poorhouses were returned to this Asylum as unsuitable.

The treatment adopted in this Institution has been so often referred to in former Reports, that it is unnecessary on the present occasion to enter into details, further than to state that about 48 males and 50 females have been daily and actively employed: of the former, 20 finding occupation in the garden and grounds, 8 in teasing hair for upholsterers in town, 12 in attending school, and the rest in wrightwork, tailoring, &c., and the ordinary work of the house ; while of the latter, 15 have been engaged in the laundry, 5 in weaving, 1 in winding, 22 in sewing, mending, and knitting, and the others in scrubbing and cleaning the Wards. When it is kept in mind that not only is all the clothing worn by the pauper patients made and repaired, but that also all the towelling, sheets, bed tick, &c., woven on the premises, some idea may be formed of the benefit this form of distraction is calculated to confer, as well as of the value of the work done, and the saving thus secured to the Asylum. It may be added that the sum annually entered in the Abstract of Revenue as value of work done by the patients, is merely the money received from manufacturers in town for weaving done for them.

About 52 males and 58 females have regularly attended Chapel on Sundays in the Asylum, and several have also been allowed to visit other Churches in town with advantage. About the same number joined in the fortnightly dancing parties during the winter months, while smaller numbers visited the Diorama, Museum, Exhibition of Paintings, and other places of amusement in town. Marked benefit has also been found to result from allowing some patients to pay short visits to their friends, to engage in shopping, &c., and no difficulty has ever been experienced in getting them to return to the house. Of the special entertainments deserving notice may be mentioned the Christmas Ball, with the customary tree, tastefully

decorated with prizes for all present; and the pic-nic parties. The places selected for these excursions during the past year have been Lumleyden, Monikie Ponds, Kinnaird Castle, and, through the kindness of the Chairman, the Laws. The privilege of visiting these last-mentioned grounds has been much appreciated, and has proved the source of great enjoyment, combining as they do facility of access, magnificent scenery, and thorough privacy, to say nothing of the uniform courtesy and attention shown by Mr and Mrs Neish to the patients.

No alterations of any consequence have been made in the buildings, but a considerable amount of papering and painting has been completed, with the view of securing additional comfort to the inmates. The erection of a Conservatory (chiefly the work of patients) may however be referred to as an addition, and which promises to be exceedingly useful in affording a supply of flowers, at all seasons, for decorating the day rooms.

No accident or untoward event has occurred, a circumstance in a great measure due to the attention and interest which the servants and attendants of the Institution continue to take in their duties; and it is with satisfaction that it has to be recorded that Emily Campbell and Thomas Miller have each this year received £5, as gratuities given by the Directors on the completion of their twentieth year of service, making the tenth and eleventh persons whose good behaviour and devotion have been thus acknowledged during the last fifteen years.

JAMES RORIE, M.D.

(*Note.*—In consequence of the discussion which has ensued since the above Report was read, two Tables have been prepared, and are appended: one shewing the Yearly Mortality of the Pauper Patients in the Asylum and in the Lunatic Wards of the Dundee and Liff and Benvie Poorhouses, and the other the Comparative Mortality, corrected by Table XV.: both calculated on the average numbers resident. By this mode of calculation it is impossible to arrive at the same precision as when the Mortality is estimated on the numbers under treatment: 1. In consequence of the patients

in the Lunatic Wards of Poorhouses being stationary, while those in the Asylum are the reverse ; 2. Because fully 50 per cent. of the Asylum Mortality occurs in the treatment of acute and recent cases, which are not received into the Lunatic Wards of Poorhouses; and 3. In consequence of the patients removed to these Wards being a selected class. Whatever mode of calculation is adopted, the result would appear, however, to be the same, namely, that during the eight years ending 1872—that is, so far as statistics have been published—nearly double the actual mortality has taken place in the Lunatic Wards of these Poorhouses than has occurred in the Asylum.)

STATISTICAL TABLES

FOR THE YEAR ENDING 15TH JUNE, 1874.

(The Year ending on the Third Monday in June, agreeably to Charter.)

TABLE I.

YEARLY STATEMENT.

From 16th June, 1873, to 15th June, 1874.

	Males.	Females.	TOTAL.
Remained 16th June, 1873,	101	96	197
Admissions during the year,	21	26	47
Re-admitted,	8	10	18
	130	132	262
<i>Discharges and Deaths—</i>			
Discharged recovered,	12	18	30
Do. improved or relieved,	18	20	38
Died,	7	3	10
	37	41	78
Remaining 15th June, 1874,	93	91	184
	130	132	262
Daily average number of Patients in the House,	96·44	93·62	190·06

II.—TABLE OF ASSIGNED CAUSES OF DISEASE OF PATIENTS ADMITTED DURING THE YEAR.

	Males.	Females.	TOTAL.
Overwork and Anxiety,	0	1	1
Death of Mistress,	0	1	1
Intemperance,	1	0	1
Religious Excitement,	1	0	1
Child-birth,	0	3	3
Overstudy,	1	0	1
Unknown,	26	31	57
	29	36	65

IX.—CAUSES OF DEATH, &c.

	Average Age at Death.	Males.	Females.	TOTAL.
Bronchitis,	54 years.	1	0	1
General Paralysis,	50 „	4	1	5
Paralysis,	57 $\frac{2}{3}$ „	1	2	3
Senile Decay,	72 „	1	0	1
	54 $\frac{9}{10}$ years.	7	3	10

X.—MORTALITY FROM 16TH JUNE, 1873, TO 15TH JUNE, 1874.

	Males.	Females.	TOTAL.
1873—June,	1	0	1
August,	1	0	1
October,	1	1	2
November,	1	0	1
1874—January,	1	1	2
February,	0	1	1
March,	1	0	1
June,	1	0	1
	7	3	10

XI.—TABLE OF CURES AT DUNDEE ASYLUM FROM

1820 TO 1874.

Admissions from 1st April, 1820, to 15th June, 1874.

	Cured.	Per Cent.
Number admitted, 2550,	1143	44·82

XII.—RETURN OF PATIENTS ADMITTED ANNUALLY INTO THE DUNDEE LUNATIC ASYLUM,

From its Opening on 1st April, 1820, to the 15th June, 1874, including Re-Admissions, together with the Cures, Discharges, and Deaths.

No.	Years.	REMAINED.			ADMITTED.			TOTAL.			DISCHARGED.						DIED.			REMAINING 15th June, 1874.		
											Recovered.			Relieved.								
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1	1820	...	...	...	22	28	50	22	28	50	3	5	8	1	1	2	2	1	3	...	...	...
2	1821	17	19	36	12	12	24	28	33	61	5	8	13	4	4	8	1	...	1	...	...	...
3	1822	19	19	38	19	13	32	38	32	70	4	4	8	2	5	7	...	1	1	...	...	...
4	1823	32	22	54	17	20	37	49	42	91	8	5	13	1	2	3	...	1	1	...	...	...
5	1824	40	34	74	28	24	52	68	58	126	14	15	29	8	2	10	4	2	6	...	...	...
6	1825	43	38	81	28	29	57	71	67	138	15	13	28	3	7	10	1	2	3	...	...	...
7	1826	51	47	98	24	10	34	75	57	132	10	11	21	4	6	10	3	2	5	...	...	...
8	1827	59	37	96	20	15	35	79	52	131	8	3	11	9	6	15	2	...	2	...	...	...
9	1828	60	43	103	17	14	31	77	57	134	10	9	19	5	3	8	6	4	10	...	...	...
10	1829	56	41	97	15	18	33	71	59	130	8	7	15	6	4	10	2	2	4	...	...	...
11	1830	55	46	101	15	18	33	70	64	134	8	8	16	5	3	8	2	1	3	...	...	...
12	1831	55	52	107	21	16	37	76	68	144	2	4	6	5	5	10	2	5	7	1	...	1
13	1832	67	54	121	23	24	47	90	78	168	11	13	24	7	4	11	7	3	10	...	...	...
14	1833	65	58	123	22	18	40	87	76	163	9	8	17	2	6	8	6	4	10	1	...	1
15	1834	70	58	128	19	21	40	89	79	168	9	13	22	6	3	9	4	4	8	...	1	1
16	1835	70	59	129	20	18	38	90	77	167	7	4	11	7	7	14	6	2	8	...	...	...
17	1836	70	64	134	24	16	40	94	80	174	8	8	16	9	8	17	5	5	10	...	...	...
18	1837	72	59	131	30	12	42	102	71	173	13	3	16	2	3	5	7	1	8	1	...	1
19	1838	80	64	144	26	27	53	106	91	197	14	9	23	4	7	11	6	5	11	1	1	2
20	1839	82	70	152	29	28	57	111	98	209	23	20	43	3	5	8	5	2	7	...	...	...
21	1840	80	71	151	33	25	58	113	96	209	6	16	22	4	3	7	5	3	8	...	...	...
22	1841	98	74	172	34	19	53	132	93	225	16	11	27	8	2	10	8	2	10	...	...	...
23	1842	100	78	178	29	32	61	129	110	239	21	10	31	9	7	16	5	4	9	...	...	...
24	1843	94	89	183	25	22	47	119	111	230	6	14	20	8	7	15	10	2	12	...	1	1
25	1844	95	88	183	34	26	60	129	114	243	9	9	18	7	8	15	8	6	14	2	3	5
26	1845	105	91	196	24	26	50	129	117	246	15	15	30	8	7	15	6	2	8	...	...	...
27	1846	100	93	193	28	29	57	128	122	250	7	19	26	10	11	21	5	2	7	1	2	3
28	1847	106	90	196	23	29	52	129	119	248	13	13	26	1	6	7	14	5	19	1	...	1
29	1848	101	95	196	22	24	46	123	119	242	11	14	25	3	7	10	7	5	12	1	2	3
30	1849	102	93	195	30	32	62	132	125	257	13	15	28	4	10	14	8	3	11	1	2	3
31	1850	107	97	204	32	25	57	139	122	261	11	13	24	10	11	21	12	2	14	1	1	2
32	1851	106	96	202	19	21	40	125	117	242	16	8	24	3	6	9	5	5	10	...	...	...
33	1852	101	98	199	23	20	43	124	118	242	10	13	23	4	5	9	4	5	9	1	1	2
34	1853	106	95	201	26	15	41	132	110	242	7	12	19	4	2	6	7	5	12	1	1	2
35	1854	114	91	205	26	25	51	140	116	256	12	9	21	7	7	14	6	5	11	1	2	3
36	1855	115	95	210	22	13	35	137	108	245	9	10	19	2	3	5	9	2	11	...	1	1
37	1856	117	93	210	28	21	49	145	114	259	11	10	21	1	5	6	11	3	14	2	...	2
38	1857	122	96	218	20	15	35	142	111	253	8	9	17	3	5	8	7	4	11	1	1	2
39	1858	124	93	217	20	28	48	144	121	265	13	11	24	15	7	22	7	7	14	2	1	3
40	1859	109	96	205	29	18	47	138	114	252	14	13	27	3	1	4	8	1	9	2	1	3
41	1860	113	99	212	20	6	26	133	105	238	9	6	15	3	3	6	12	1	13	...	1	1
42	1861	109	95	204	15	8	23	124	103	227	6	4	10	2	1	3	10	1	11	3	1	4
43	1862	106	97	203	11	11	22	117	108	225	5	7	12	2	3	5	6	3	9	1	...	1
44	1863	104	95	199	17	16	33	121	111	232	8	11	19	1	1	2	4	2	6	...	1	1
45	1864	108	97	205	14	22	36	122	119	241	6	5	11	37	24	61	8	8	16	...	4	4
46	1865	71	82	153	38	63	101	109	145	254	9	21	30	18	28	46	3	3	6	4	6	10
47	1866	79	93	172	35	39	74	114	132	246	20	18	38	6	8	14	5	7	12	8	3	11
48	1867	83	99	182	26	35	61	109	134	243	4	20	24	4	9	13	6	8	14	4	6	10
49	1868	95	97	192	37	20	57	131	117	248	8	10	18	6	6	12	12	6	18	4	1	5
50	1869	103	95	198	22	13	35	125	108	233	3	6	9	14	9	23	7	4	11	3	...	3
51	1870	101	89	190	24	35	59	125	124	249	10	15	25	11	19	30	10	3	13	3	5	8
52	1871	94	87	181	31	45	76	125	132	257	12	25	37	8	8	16	8	8	16	8	5	13
53	1872	97	91	188	31	47	78	128	138	266	11	23	34	6	9	15	10	10	20	12	13	25
54	1873	101	96	197	29	36	65	130	132	262	12	18	30	18	20	38	7	3	10	22	24	46
					1308	1242	2550				540	603	1143	346	359	705	331	187	518	93	91	184

XIII.—ANNUAL PERCENTAGE OF DEATHS,

From June 16, 1830, to June 15, 1874.

YEARS.	AVERAGE NUMBER OF PATIENTS.			NUMBER OF DEATHS.			PERCENTAGE OF DEATHS.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
1830, ...	57	44	101	2	2	4	3·51	4·52	3·95
1831, ...	55	48	103	2	1	3	3·63	2·08	2·91
1832, ...	61	52	113	2	5	7	3·27	9·61	6·19
1833, ...	65	59	124	7	3	10	10·76	5·08	8·06
1834, ...	70	58	128	6	4	10	8·57	6·89	7·81
1835, ...	68	58	126	4	4	8	5·88	6·89	6·34
1836, ...	70	59	129	6	2	8	8·57	3·39	6·20
1837, ...	74	61	135	5	5	10	6·75	8·19	7·48
1838, ...	77	60	137	7	1	8	9·09	1·66	5·53
1839, ...	84	66	150	6	5	11	7·19	7·57	7·83
1840, ...	87	70	157	5	2	7	5·74	2·85	4·45
1841, ...	89	75	164	5	3	8	5·61	3·99	4·87
1842, ...	102	77	179	8	2	10	7·84	2·59	5·58
1843, ...	96	84	180	5	4	9	5·20	4·80	5·00
1844, ...	97	90	187	10	2	12	10·31	2·22	6·41
1845, ...	100	90	190	8	6	14	8·00	6·66	7·37
1846, ...	105	96	201	6	2	8	5·70	2·08	3·90
1847, ...	105	95	200	5	2	7	4·70	2·01	3·05
1848, ...	103	94	197	14	5	19	13·61	5·30	9·60
1849, ...	104	94	198	7	5	12	6·70	5·30	6·00
1850, ...	107	93	200	8	3	11	7·47	3·02	5·05
1851, ...	108	96	204	12	2	14	11·00	2·00	6·85
1852, ...	107	99	206	5	5	10	4·67	5·00	4·85
1853, ..	107	98	205	4	5	9	3·73	5·10	4·39
1854, ...	109	95	204	7	5	12	6·42	5·27	5·88
1855, ...	117	96	213	6	5	11	5·12	5·20	5·16
1856, ...	120	96	216	9	2	11	7·50	2·00	5·00
1857, ...	122	96	218	11	3	14	9·02	3·12	6·42
1858, ...	121	95	216	7	4	11	5·70	4·20	5·09
1859, ...	118	96	214	7	7	14	5·93	7·29	6·54
1860, ...	115	101	216	8	1	9	6·95	0·99	4·15
1861, ...	111	98	209	12	1	13	10·91	1·02	6·22
1862, ...	110	95	205	10	1	11	9·09	1·05	5·36
1863, ...	105	95	200	6	3	9	5·71	3·15	4·50
1864, ...	110	98	208	4	2	6	3·53	2·04	2·88
1865, ...	99	95	194	8	8	16	8·00	8·42	8·25
1866, ...	73	80	153	3	3	6	4·11	3·75	3·92
1867, ...	79	92	171	5	7	12	6·33	7·60	7·01
1868, ...	85	95	180	6	8	14	7·06	8·42	7·77
1869, ...	97	97	194	12	6	18	12·37	6·18	9·20
1870, ...	108	93	201	7	4	11	6·04	4·03	5·04
1871, ...	95	86	181	10	3	13	10·52	3·48	7·18
1872, ...	91	87	178	8	8	16	8·79	9·19	8·98
1873, ...	98	93	191	10	10	20	10·20	10·75	10·47
1874, ...	96	94	190	7	3	10	7·29	3·19	5·26
	4277	3789	8066	312	174	486			

XV.—THE TIMES OF THE PATIENTS' DEATH AFTER THEIR
ADMISSION INTO THE ASYLUM,

From the Opening of the Institution to June 15, 1874.

TIMES OF DEATH.					Males.	Females.	TOTAL.
Within 1 fortnight,	...	...	...	...	17	16	33
„ 1 month,	...	...	...	...	13	5	18
„ 3 months,	...	...	...	...	34	17	51
„ 6 „	...	...	...	...	28	12	40
„ 9 „	...	...	...	...	20	10	30
„ 1 year, ...	...	...	...	...	13	8	21
„ 2 years, ...	...	...	...	...	51	23	74
„ 3 „	...	...	...	...	26	10	36
„ 4 „	...	...	...	...	21	9	30
„ 5 „	...	...	...	...	11	7	18
„ 6 „	...	...	...	...	14	4	18
„ 7 „	...	...	...	...	9	6	15
„ 8 „	...	...	...	...	6	6	12
„ 9 „	...	...	...	...	7	6	13
„ 10 „	...	...	...	...	2	3	5
„ 11 „	...	...	...	...	4	2	6
„ 12 „	...	...	...	...	3	3	6
„ 13 „	...	...	...	...	2	6	8
„ 14 „	...	...	...	...	7	4	11
„ 15 „	...	...	...	...	5	3	8
„ 16 „	...	...	...	...	4	1	5
„ 17 „	...	...	...	...	2	4	6
„ 18 „	...	...	...	...	4	1	5
„ 19 „	...	...	...	...	6	2	8
„ 20 „	...	...	...	...	2	1	3
„ 21 „	...	...	...	...	1	2	3
„ 22 „	...	...	...	...	2	3	5
„ 23 „	...	...	...	...	2	2	4
„ 24 „	...	...	...	...	2	1	3
„ 25 „	...	...	...	...	0	0	0
„ 26 „	...	...	...	...	2	1	3
„ 27 „	...	...	...	...	1	2	3
„ 28 „	...	...	...	...	0	2	2
„ 29 „	...	...	...	...	3	0	3
„ 30 „	...	...	...	...	2	2	4
„ 31 „	...	...	...	...	0	0	0
„ 32 „	...	...	...	...	2	0	2
„ 33 „	...	...	...	...	1	1	2
„ 34 „	...	...	...	...	0	0	0
„ 35 „	...	...	...	...	0	0	0
„ 36 „	...	...	...	...	1	0	1
„ 37 „	...	...	...	...	0	0	0
„ 38 „	...	...	...	...	0	0	0
„ 39 „	...	...	...	...	0	1	1
„ 40 „	...	...	...	...	0	0	0
„ 41 „	...	...	...	...	0	0	0
„ 42 „	...	...	...	...	0	0	0
„ 43 „	...	...	...	...	1	0	1
„ 44 „	...	...	...	...	0	1	1
TOTAL,	...	...	...	...	331	187	518

YEARS.	IN DUNDEE ASYLUM.						IN LUNATIC WARDS OF DUNDEE POORHOUSE.						IN LUNATIC WARDS OF LIFF AND BENVIE POORHOUSE.					
	Average number resident.		No. of Deaths.		Percentage of Deaths.		Average number resident.		No. of Deaths.		Percentage of Deaths.		Average number resident.		No. of Deaths.		Percentage of Deaths.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1865.....	66·5	64·5	3	10	4·5	15·5	21·5	33	...	1	...	3·0	10·5	12·5	1	1	9·5	8·0
1866.....	56	59	4	4	7·1	6·7	26	35	2	4	7·6	11·4	13·5	14	2	1	14·8	7·1
1867.....	58	65	4	5	6·9	7·7	31	37	...	3	...	8·1	9·5	14	7	3	73·7	21·4
1868.....	66·5	69·5	12	6	18	8·6	29	36·5	2	5	6·8	13·6	8·5	14	...	1	...	7·1
1869.....	76	68	5	3	6·5	4·4	26·5	34	3	2	11·3	5·9	12·5	14	1	...	8·0	...
1870.....	73·5	58	9	2	12·2	3·4	34·5	40·5	1	2	2·9	4·9	14	13·5	...	1	...	7·4
1871.....	68	55·5	3	4	4·4	7·2	44	49·5	4	6	9·1	12·1	14	13·5	...	...	...	...
1872.....	70	63·5	12	7	17·1	11·0	45·5	51	2	3	4·4	5·9	14	14	1	...	7·1	...
Average of 8 years.....	534·5	503	52	41	9·7	8·1	258	316·5	14	26	5·4	8·2	96·5	109·5	12	7	12·4	6·4

XVII.—COMPARATIVE MORTALITY OF PAUPER PATIENTS IN THE ASYLUM AND LUNATIC WARDS,
Corrected by Table XV.

	Males.	Females.		TOTAL.
In the Asylum	4·85	4·05		4·45
In the Lunatic Wards	7·33	7·74		7·56

RATES OF BOARD.

THE following is the present rate of Board ; subject, however, to such alterations as the Directors shall judge proper, and which must necessarily vary according to the state of the funds and the expenses of the establishment. The Board in all cases must be paid quarterly, and in advance. Before the entry of a patient, the Board is to be paid up for one quarter.

* First Class, including Clothes, &c.,	£0	9	6	per Week.
Second Class, including Clothes, &c.,	0	10	6	„
Third Class,	0	15	0	„
Fourth Class,	1	1	0	„
Fifth Class,	1	11	6	„
Sixth Class,	2	2	0	„
Seventh Class,	3	3	0	„

The First Class : paupers belonging to the parishes that have contributed to the erection of the Asylum.† The Second Class : all other paupers.

A Physician's Fee on admission is payable by the several Classes of patients as under :—

Third Class,	£1	1	0
Fourth Class,	1	11	6
Fifth Class,	2	2	0
Sixth Class,	3	3	0
Seventh Class,	4	4	0

When a patient is admitted, one Quarter's Board and the Physician's Fee, as fixed by the Directors, shall be paid in advance to the Medical Superintendent, and afterwards in advance quarterly to the Treasurer, on the 1st day of January, the 1st of April, the 1st of July, and the 1st of October. No part of any payment in advance, except in the cases of paupers, shall be returned, except in special cases to be judged of by the Weekly Committee ; and if any patients who have been removed shall return to the Asylum, they shall be admitted in the same manner as if they had never been in the Asylum, and pay accordingly. If not removed within a year, the above fees to be repeated annually at the date of admission, as long as the patient remains in the House.

No Fees are paid for Paupers.

The patient shall have no claim to remuneration for work done in the House.

* The Rate will be raised to 10s. after October next.

† See List at page 18.

QUANTITIES OF THE
PRINCIPAL PROVISIONS, &c.,

Purchased for the Asylum in the Years 1872-73 and 1873-74.

				1872-73.					1873-74.
Coals and Firewood,	...			289	tons.	.....	319 $\frac{2}{6}$	tons.
Butcher Meat,	...	...		21,786	lbs.	.....	22,021 $\frac{1}{2}$	lbs.
Bread,	...	...	...	20,646	loaves.	.....	22,539 $\frac{1}{2}$	loaves.
Sugar,	...	...	...	5,388	lbs.	.....	5,880	lbs.
Tea,	...	...	...	779	lbs.	.....	795	lbs.
Butter,	...	...	...	2,704	lbs.	.....	2,887 $\frac{1}{2}$	lbs.
Cheese,	...	...	...	993 $\frac{1}{2}$	lbs.	.....	1,090	lbs.
Meal,	...	...	...	168	bolles.	.....	226	bolles.
Barley and Pease,	...	...	...	67 $\frac{3}{4}$	cwts.	.....	58 $\frac{1}{2}$	cwts.
Potatoes,	...	...	...	44 $\frac{3}{4}$	cwts.	.....	159	cwts.
Beer,	...	...	...	2,021	doz.	.....	2,130	doz.
Milk,	...	...	...	7,690	galls.	.....	8,514	galls.

